Amendments to the Abstract:

The amended Abstract attached is to replace the Abstract currently on file.

ABSTRACT

A method of assembling an object using a component that has coded data on it, or in it. The coded data is indicative of the components identity and at least one of:

   i)   a position of the sensed coded data portion;

   ii) a position of the sensing device relative to the interface surface;

   iii) an orientation of the sensed coded data; and,

   iv) an orientation of the sensing device relative to the interface surface.

The coded data is read by a sensing device. The method involves using the sensing device to generate indicating data to identify the component and orientation data of the component, then , ~~the component having an interface surface having coded data disposed thereon or therein, each coded data portion being indicative of an identity of the component, wherein the method includes, in a sensing device:~~

   ~~a)sensing coded data on the component;~~

   ~~b)generating, using the sensed coded data, indicating data indicative of the identity of the component; and,~~

   ~~(c)~~transferring the indicating data to at least one of:

~~(i)~~_____an assembly system which is responsive to the indication to assemble the object; and,

~~(ii)~~_____a computer system which is responsive to the indication to cause an assembly system to assemble the object.